

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (Cancelled)

9. (New) A map information creating device comprising:
- a geometry extracting unit that extracts geometry data from map information including a three-dimensional object indicating three-dimensional geometry configured by width, height, and length, the geometry data including a cross-section constituted of at least the width and the height of the three-dimensional object; and
 - a creating unit that creates a second three-dimensional object having geometry identical to that of the three-dimensional object based on the geometry data.
10. (New) The map information creating device according to claim 9, further comprising a length extracting unit that extracts information on length of the three-dimensional object from data including information on the length, wherein
- the creating unit creates the second three-dimensional object further based on the information on length extracted.
11. (New) The map information creating device according to claim 10, wherein
- the length extracting unit extracts, from network data on a road network in which a plurality of links are connected, link length information on length of a link as the information on length, and
 - the creating unit creates the second three-dimensional object further based on the link length information.
12. (New) The map information creating device according to claim 9, further comprising a link-direction extracting unit that extracts, from network data of a road network in which a plurality of links are connected, link direction information on direction of a link, wherein

the creating unit creates the second three-dimensional object further based on the link direction information.

13. (New) The map information creating device according to claim 9, further comprising a texture extracting unit that extracts texture information including information on a texture drawn on an arbitrary surface of the three-dimensional object, information on a drawing cycle of the texture, and information on a representative color of the arbitrary surface, from the three-dimensional object, wherein

the creating unit creates the second three-dimensional object based on the texture information.

14. (New) The map information creating device according to claim 9, wherein the creating unit includes a detecting unit that detects whether a first end-face data representing an end face a first three-dimensional object created by the creating unit and a second end-face data representing an end face of a second third-dimensional object other than the first three-dimensional object intersect with each other, and

the creating unit creates a complementary three-dimensional object that complements between the first three-dimensional object and the second three-dimensional object by carrying out drawing in which peaks of the first end-face data and the second end-face data are extended, based on a result of detection by the detecting unit.

15. (New) A map information creating method comprising:

extracting geometry data from map information including a three-dimensional object indicating three-dimensional geometry configured by width, height, and length, the geometry data including a cross-section constituted of at least the width and the height of the three-dimensional object; and

creating a second geometry object having geometry identical to that of the three-dimensional object based on the geometry data extracted.

16. (New) The map information creating method according to claim 15, further comprising extracting information on length of the three-dimensional object from data including information on the length, wherein

the creating includes creating the second three-dimensional object further based on the information on length extracted.

17. (New) The map information creating method according to claim 16, further comprising extracting, from network data on a road network in which a plurality of links are connected, link length information on length of a link as the information on length, wherein

the creating includes creating the second three-dimensional object further based on the link length information.

18. (New) The map information creating method according to claim 15, further comprising extracting, from network data of a road network in which a plurality of links are connected, link direction information on direction of a link, wherein

the creating includes creating the second three-dimensional object further based on the link direction information.

19. (New) The map information creating method according to claim 15, further comprising extracting texture information including information on a texture drawn on an arbitrary surface of the three-dimensional object, information on a drawing cycle of the texture, and information on a representative color of the arbitrary surface, from the three-dimensional object, wherein

the creating includes creating the second three-dimensional object based on the texture information.

20. (New) The map information creating method according to claim 15, further comprising detecting whether a first end-face data representing an end face a first three-dimensional object created at the creating and a second end-face data representing an end face of a second third-dimensional object other than the first three-dimensional object intersect with each other, wherein

the creating includes creating a complementary three-dimensional object that complements between the first three-dimensional object and the second three-dimensional object by carrying out drawing in which peaks of the first end-face data and the second end-face data are extended, based on a result of detection at the detecting.

21. (New) A computer-readable recording medium that stores therein a map information creating program making a computer execute:

extracting geometry data from map information including a three-dimensional object indicating three-dimensional geometry configured by width, height, and length, the geometry data including a cross-section constituted of at least the width and the height of the three-dimensional object; and

creating a second geometry object having geometry identical to that of the three-dimensional object based on the geometry data extracted.

22. (New) The computer-readable recording medium according to claim 21, wherein the map information creating program further makes the computer execute extracting information on length of the three-dimensional object from data including information on the length, and

the creating includes creating the second three-dimensional object further based on the information on length extracted.

23. (New) The computer-readable recording medium according to claim 22, wherein the map information creating program further makes the computer execute extracting, from network data on a road network in which a plurality of links are connected, link length information on length of a link as the information on length, and

the creating includes creating the second three-dimensional object further based on the link length information.

24. (New) The computer-readable recording medium according to claim 21, wherein the map information creating program further makes the computer execute extracting, from network data of a road network in which a plurality of links are connected, link direction information on direction of a link, and the creating includes creating the second three-dimensional object further based on the link direction information.
25. (New) The computer-readable recording medium according to claim 21, wherein the map information creating program further makes the computer execute extracting texture information including information on a texture drawn on an arbitrary surface of the three-dimensional object, information on a drawing cycle of the texture, and information on a representative color of the arbitrary surface, from the three-dimensional object, and the creating includes creating the second three-dimensional object based on the texture information.
26. (New) The computer-readable recording medium according to claim 21, wherein the map information creating program further makes the computer execute detecting whether a first end-face data representing an end face of a first three-dimensional object created at the creating and a second end-face data representing an end face of a second three-dimensional object other than the first three-dimensional object intersect with each other, and the creating includes creating a complementary three-dimensional object that complements between the first three-dimensional object and the second three-dimensional object by carrying out drawing in which peaks of the first end-face data and the second end-face data are extended, based on a result of detection at the detecting.